

10/037, 243

Lmm 9/24/2007

**EAST Search History**

S20	0	S19 and @ad<"20020104"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/12 17:07
S21	2	"20050267011"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/12 17:47
S22	2	"20050196864"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/12 17:48
S23	7466	((protein or polypeptide or peptide) near3 (solubility or folding)) with (improve or improved or enhanced or enhance or increase or increased )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 13:29
S24	7437	(protein or polypeptide or peptide) near5 ((solubility or folding)near3 (improve or improved or enhanced or enhance or increase or increased ))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 13:33
S25	6749	(protein or polypeptide or peptide) near3 ((solubility or folding)near3 (improve or improved or enhanced or enhance or increase or increased ))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 13:49
S26	286	S25 and ((peptide or polypeptide )near3 (extension or tail ))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 13:35
S27	7	S25 same ((peptide or polypeptide )near3 (extension or tail ))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 13:32
S28	0	S27 and @ad<"20020104"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 13:35
S29	2	peptide adj T7A	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 13:32

## EAST Search History

S30	83	(protein or polypeptide or peptide) near5 ((insolubility or inclusion)near3 (decrease or decreased or reduced or reduce lower ))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 13:35
S31	83	(protein or polypeptide or peptide) near5 ((insolubility or inclusion)near3 (decrease or decreased or reduced or reduce or lower ))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 13:35
S32	5	S31 and ((peptide or polypeptide )near3 (extension or tail ))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 13:35
S33	2	S32 and @ad<"20020104"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 13:47
S34	6	t7 adj 10b	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:26
S35	4	t7 adj 10b adj protein	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 13:47
S36	1	S35 and @ad<"20020104"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:28
S37	1	S35 and ( (protein or polypeptide or peptide) near3 ((solubility or folding)near3 (improve or improved or enhanced or enhance or increase or increased )))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 13:53
S38	2	"6737234".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:07
S39	0	S38 and ( (protein or polypeptide or peptide) near3 ((solubility or folding)near3 (improve or improved or enhanced or enhance or increase or increased )))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:02

## EAST Search History

S40	1	S38 and ( ((solubility or folding)near3 (improve or improved or enhanced or enhance or increase or increased )))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:08
S41	0	S39 and ( (polypeptide or peptide or (carboxy\$2 adj terminal)) near3 extension)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:03
S42	0	S39 and ( ((polypeptide or peptide or (carboxy\$2 adj terminal)) near3 extension) or extension)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:04
S43	1	S40 and ( ((polypeptide or peptide or (carboxy\$2 adj terminal)) near3 extension) or extension)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:12
S44	2	"6395875".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:11
S45	1	S44 and ( ((polypeptide or peptide or (carboxy\$2 adj terminal)) near3 extension) or extension)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:22
S46	1	S45 and ( ((solubility or folding)near3 (improve or improved or enhanced or enhance or increase or increased )))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:12
S47	2	"7157266".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:12
S48	1	S47 and ( ((solubility or folding)near3 (improve or improved or enhanced or enhance or increase or increased )))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:28
S49	1	S48 and ( ((polypeptide or peptide or (carboxy\$2 adj terminal)) near3 extension) or extension)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:12

## EAST Search History

S50	3173	( ((carboxy\$2 adj terminal) or c-terminal) near3 extension)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:22
S51	73	t7 near3 (10b or 10A)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:26
S52	3	S51 and ( ((solubility or folding)near3 (improve or improved or enhanced or enhance or increase or increased )))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:29
S53	1	S52 and @ad<"20020104"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:29
S54	550	S50 and ( ((solubility or folding)near3 (improve or improved or enhanced or enhance or increase or increased )))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:29
S55	28	S50 same( ((solubility or folding)near3 (improve or improved or enhanced or enhance or increase or increased )))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:29
S56	11	S55 and @ad<"20020104"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:29

Dialog 10/03/2003  
Lmm 9/25/2007

? d s

Set	Items	Description
S1	1651	S (PROTEIN OR POLYPEPTIDE OR PEPTIDE) (3N) ((SOLUBILITY OR FOLDING) (3N) (IMPROVE OR IMPROVED OR ENHANCED OR ENHANCE OR INCREASE OR INCREASED ))
S2	4	S S1 AND ((PEPTIDE OR POLYPEPTIDE OR (CARBOXY\$2 ADJ TERMINAL) OR C-TERMINAL) (3N) (EXTENSION OR TAIL ))
S3	4	S S1 AND ((PEPTIDE OR POLYPEPTIDE OR (CARBOXY\$2 (W) TERMINAL) OR C-TERMINAL) (3N) (EXTENSION OR TAIL ))
S4	4	S S1 AND ((PEPTIDE OR POLYPEPTIDE OR ((CARBOXY OR CARBOXYL) (W) TERMINAL) OR C-TERMINAL) (3N) (EXTENSION OR TAIL ))
S5	2	RD (unique items)
S6	25	S (PEPTIDE ADJ T7A) OR (T7 (2N) (10A OR 10B) (2N) PROTEIN)
S7	26	S (PEPTIDE (W) T7A) OR (T7 (2N) (10A OR 10B) (2N) PROTEIN)
S8	12	RD (unique items)
S9	0	S S8 AND ((SOLUBILITY OR FOLDING) (3N) (IMPROVE OR IMPROVED OR ENHANCED OR ENHANCE OR INCREASE OR INCREASED ))
S10	1	S S8 AND ((SOLUBILITY OR FOLDING))
S11	129	S (PROTEIN OR POLYPEPTIDE OR PEPTIDE) (5N) ((INSOLUBILITY OR INCLUSION) (3N) (DECREASE OR DECREASED OR REDUCED OR REDUCE LOWER ))
S12	161	S (PROTEIN OR POLYPEPTIDE OR PEPTIDE) (5N) ((INSOLUBILITY OR INCLUSION) (3N) (DECREASE OR DECREASED OR REDUCED OR REDUCE OR LOWER ))
S13	0	S S12 AND ((PEPTIDE OR POLYPEPTIDE OR ((CARBOXY OR CARBOXYL) (W) TERMINAL) OR C-TERMINAL) (3N) (EXTENSION OR TAIL ))
S14	0	S S 7 AND ((PROTEIN OR POLYPEPTIDE OR PEPTIDE) (5N) ((INSOLUBILITY OR INCLUSION) (3N) (DECREASE OR DECREASED OR REDUCED OR REDUCE OR LOWER )))
S15	0	S S7 AND ((PROTEIN OR POLYPEPTIDE OR PEPTIDE) (5N) ((INSOLUBILITY OR INCLUSION) (3N) (DECREASE OR DECREASED OR REDUCED OR REDUCE OR LOWER )))
S16	8925	S ((PEPTIDE OR POLYPEPTIDE OR ((CARBOXY OR CARBOXYL) (W) TERMINAL) OR C-TERMINAL) (3N) (EXTENSION OR TAIL ))
S17	11	S S16 AND ((SOLUBILITY OR FOLDING) (3N) (IMPROVE OR IMPROVED OR ENHANCED OR ENHANCE OR INCREASE OR INCREASED ))
S18	4	RD (unique items)

?

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[File 369] New Scientist 1994-2007/Aug W2

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[File 370] Science 1996-1999/Jul W3

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[File 434] SciSearch(R) Cited Ref Sci 1974-1989/Dec

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[File 467] ExtraMED(tm) 2000/Dec

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? s (protein or polypeptide or peptide) (3N) ((solubility or folding) (3N) (improve or improved or enhanced or enhance or increase or increased ))

Processing

Processing

Processing

Processing

10042663	PROTEIN
464759	POLYPEPTIDE
1864329	PEPTIDE
321887	SOLUBILITY
224550	FOLDING
1397956	IMPROVE
2108784	IMPROVED
2075046	ENHANCED
710693	ENHANCE
6134719	INCREASE
8691923	INCREASED

S1 1651 S (PROTEIN OR POLYPEPTIDE OR PEPTIDE) (3N) ((SOLUBILITY OR FOLDING) (3N) (IMPROVE OR IMPROVED OR ENHANCED OR ENHANCE OR INCREASE OR INCREASED ))

? s s1 and ((peptide or polypeptide or (carboxy\$2 adj terminal) or c-terminal) (3n) (extension or tail ))

1651	S1
1864329	PEPTIDE
464759	POLYPEPTIDE
0	CARBOXY\$2 ADJ TERMINAL
8200	C-TERMINAL
673097	EXTENSION
324361	TAIL

3915 (((PEPTIDE OR POLYPEPTIDE) OR CARBOXY\$2 ADJ TERMINAL) OR C-TERMINAL) (3N) (EXTENSION OR TAIL)

S2 4 S S1 AND ((PEPTIDE OR POLYPEPTIDE OR (CARBOXY\$2 ADJ TERMINAL) OR C-TERMINAL) (3N) (EXTENSION OR TAIL ))

? S S1 AND ((PEPTIDE OR POLYPEPTIDE OR (CARBOXY\$2 (w) TERMINAL) OR C-TERMINAL) (3N)

(EXTENSION OR TAIL ))  
1651 S1  
1864329 PEPTIDE  
464759 POLYPEPTIDE  
0 CARBOXY\$2  
1558562 TERMINAL  
0 CARBOXY\$2 (W) TERMINAL  
8200 C-TERMINAL  
673097 EXTENSION  
324361 TAIL  
3915 (((PEPTIDE OR POLYPEPTIDE) OR CARBOXY\$2 (W) TERMINAL) OR  
C-TERMINAL) (3N) (EXTENSION OR TAIL)  
S3 4 S S1 AND ((PEPTIDE OR POLYPEPTIDE OR (CARBOXY\$2 (W) TERMINAL) OR  
C-TERMINAL) (3N) (EXTENSION OR TAIL ))

? S S1 AND ((PEPTIDE OR POLYPEPTIDE OR ((CARBOXY or carboxyl) (W) TERMINAL) OR  
C-TERMINAL) (3N) (EXTENSION OR TAIL ))  
1651 S1  
1864329 PEPTIDE  
464759 POLYPEPTIDE  
293413 CARBOXY  
161811 CARBOXYL  
1558562 TERMINAL  
148550 (CARBOXY OR CARBOXYL) (W) TERMINAL  
8200 C-TERMINAL  
673097 EXTENSION  
324361 TAIL  
8925 (((PEPTIDE OR POLYPEPTIDE) OR (CARBOXY OR CARBOXYL) (W) TERMINAL) OR  
C-TERMINAL) (3N) (EXTENSION OR TAIL)  
S4 4 S S1 AND ((PEPTIDE OR POLYPEPTIDE OR ((CARBOXY OR CARBOXYL) (W) TERMINAL)  
OR C-TERMINAL) (3N) (EXTENSION OR TAIL ))

? rd  
>>>W: Duplicate detection is not supported for File 391.  
Records from unsupported files will be retained in the RD set.  
S5 2 RD (UNIQUE ITEMS)

? t s5/medium/all

### 5/3/1 (Item 1 from file: 5) Links

Fulltext available through: [custom link](#) [USPTO Full Text Retrieval Options](#)

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18652161 Biosis No.: 200510346661

**Stabilizing peptide fusion for solving the stability and solubility problems of therapeutic proteins**

**Author:** Lee Eui Nam; Kim Young Mok; Lee Hye Ja; Park Sang Woo; Jung Han Young; Lee Jae Myun; Ahn Yong-Ho; Kim Jongsun (Reprint)

**Author Address:** Yonsei Univ, Coll Med, Dept Microbiol, 134 Shinchon Dong, Seoul 120752, South Korea\*\*South Korea

**Author E-mail Address:** jkim63@yumc.yonsei.ac.kr

**Journal:** Pharmaceutical Research (Dordrecht) 22 ( 10 ): p 1735-1746 OCT 2005

**ISSN:** 0724-8741

**Document Type:** Article

**Record Type:** Abstract

**Language:** English

5/3/2 (Item 1 from file: 73) **Links**

Fulltext available through: [custom link](#) [USPTO Full Text Retrieval Options](#)

EMBASE

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13361272 EMBASE No: 2005430023

**Stabilizing peptide fusion for solving the stability and solubility problems of therapeutic proteins**

Eui N.L.; Young M.K.; Hye J.L.; Sang W.P.; Han Y.J.; Jae M.L.; Ahn Y.-H.; Kim J.

J. Kim, Department of Microbiology, Brain Korea 21 Project of Medical Sciences, Yonsei University College of Medicine, Seoul South Korea

**Author Email:** jkim63@yumc.yonsei.ac.kr

Pharmaceutical Research ( PHARM. RES. ) ( United States ) 2005 , 22/10 (1735-1746)

**CODEN:** PHREE **ISSN:** 0724-8741

**Document Type:** Journal ; Article

**Language:** ENGLISH **Summary Language:** ENGLISH

**Number Of References:** 46

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? s (peptide adj T7A) or (T7 (2n) (10A or 10b) (2n) protein)
    0 PEPTIDE ADJ T7A
    47200 T7
    59637 10A
    28691 10B
    10042663 PROTEIN
        25 T7(2N)(10A OR 10B)(2N)PROTEIN
S6      25 S (PEPTIDE ADJ T7A) OR (T7 (2N) (10A OR 10b) (2n) PROTEIN)

? s (peptide (w) T7A) or (T7 (2n) (10A or 10b) (2n) protein)
    1864329 PEPTIDE
        479 T7A
        2 PEPTIDE(W)T7A
    47200 T7
    59637 10A
    28691 10B
    10042663 PROTEIN
        25 T7(2N)(10A OR 10B)(2N)PROTEIN
S7      26 S (PEPTIDE (W) T7A) OR (T7 (2N) (10A OR 10b) (2n) PROTEIN)

? rd
>>>W: Duplicate detection is not supported for File 391.
Records from unsupported files will be retained in the RD set.
S8      12 RD (UNIQUE ITEMS)

? s s8 and ((SOLUBILITY OR FOLDING) (3N) (IMPROVE OR IMPROVED OR ENHANCED OR
INCREASE OR INCREASED ))
Processing
Processing
    12 S8
    321887 SOLUBILITY
    224550 FOLDING
    1397956 IMPROVE
    2108784 IMPROVED
    2075046 ENHANCED
    710693 ENHANCE
    6134719 INCREASE
    8691923 INCREASED
    27407 ((SOLUBILITY OR FOLDING) (3N) (((((IMPROVE OR IMPROVED) OR ENHANCED) OR
ENHANCE) OR INCREASE) OR INCREASED))
S9      0 S S8 AND ((SOLUBILITY OR FOLDING) (3N) (IMPROVE OR IMPROVED OR ENHANCED OR
ENHANCE OR INCREASE OR INCREASED ))

?
?
? s S8 AND ((SOLUBILITY OR FOLDING))
    12 S8
    321887 SOLUBILITY
    224550 FOLDING
S10     1 S S8 AND ((SOLUBILITY OR FOLDING))

? t s10/medium

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10/3/1 (Item 1 from file: 357) [Links](#)

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Derwent Biotech Res.

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0332563 DBA Accession No.: 2004-04855 PATENT

**Enhancing the solubility of, and promoting the adoption of native conformation in a recombinantly expressed**

**polypeptide comprises expressing the polypeptide as a fusion protein with a charged N- or C-terminal extension recombinant protein production via plasmid expression in host cell for solubility and adoption promotion**

**Author:** FREIMUTH P I; ZHANG Y; HOWITT J A

**Patent Assignee:** FREIMUTH P I; ZHANG Y; HOWITT J A 2003

**Patent Number:** US 20030134352 **Patent Date:** 20030717 **WPI Accession No.:** 2003-897262 (200382)

**Priority Application Number:** US 37243 **Application Date:** 20020104

**National Application Number:** US 37243 **Application Date:** 20020104

**Language:** English

? s (protein or polypeptide or peptide) (5n)((insolubility or inclusion) (3n) (decrease or decreased or reduced or reduce lower ))

Processing

Processing

Processing

10042663	PROTEIN
464759	POLYPEPTIDE
1864329	PEPTIDE
6636	INSOLUBILITY
477790	INCLUSION
2841033	DECREASE
3974853	DECREASED
4521259	REDUCED
0	REDUCE LOWER

S11 129 S (PROTEIN OR POLYPEPTIDE OR PEPTIDE) (5N)((INSOLUBILITY OR INCLUSION) (3N) (DECREASE OR DECREASED OR REDUCED OR REDUCE LOWER ))

? S (PROTEIN OR POLYPEPTIDE OR PEPTIDE) (5N)((INSOLUBILITY OR INCLUSION) (3N) (DECREASE OR DECREASED OR REDUCED OR REDUCE or LOWER ))

Processing

Processing

Processing

10042663	PROTEIN
464759	POLYPEPTIDE
1864329	PEPTIDE
6636	INSOLUBILITY
477790	INCLUSION
2841033	DECREASE
3974853	DECREASED
4521259	REDUCED
1433685	REDUCE
5033071	LOWER

S12 161 S (PROTEIN OR POLYPEPTIDE OR PEPTIDE) (5N)((INSOLUBILITY OR INCLUSION) (3N) (DECREASE OR DECREASED OR REDUCED OR REDUCE OR LOWER ))

?

? S S12 AND ((PEPTIDE OR POLYPEPTIDE OR ((CARBOXY or carboxyl) (W) TERMINAL) OR C-TERMINAL) (3N) (EXTENSION OR TAIL ))

161	S12
1864329	PEPTIDE
464759	POLYPEPTIDE
293413	CARBOXY
161811	CARBOXYL
1558562	TERMINAL
148550	((CARBOXY OR CARBOXYL) (W) TERMINAL
8200	C-TERMINAL
673097	EXTENSION
324361	TAIL
8925	((PEPTIDE OR POLYPEPTIDE) OR (CARBOXY OR CARBOXYL) (W) TERMINAL) OR C-TERMINAL) (3N) (EXTENSION OR TAIL )

S13 0 S S12 AND ((PEPTIDE OR POLYPEPTIDE OR ((CARBOXY OR CARBOXYL) (W) TERMINAL) OR C-TERMINAL) (3N) (EXTENSION OR TAIL ))

? d s

Set Items Description

S1 1651 S (PROTEIN OR POLYPEPTIDE OR PEPTIDE) (3N) ((SOLUBILITY OR FOLDING) (3N) (IMPROVE OR IMPROVED OR ENHANCED OR ENHANCE OR INCREASE OR INCREASED ))

S2 4 S S1 AND ((PEPTIDE OR POLYPEPTIDE OR (CARBOXY\$2 ADJ TERMINAL) OR C-TERMINAL) (3N) (EXTENSION OR TAIL ))

S3 4 S S1 AND ((PEPTIDE OR POLYPEPTIDE OR (CARBOXY\$2 (W) TERMINAL) OR

C-TERMINAL) (3N) (EXTENSION OR TAIL ))

S4 4 S S1 AND ((PEPTIDE OR POLYPEPTIDE OR ((CARBOXY OR CARBOXYL) (W) TERMINAL)  
OR C-TERMINAL) (3N) (EXTENSION OR TAIL ))

S5 2 RD (unique items)

S6 25 S (PEPTIDE ADJ T7A) OR (T7 (2N) (10A OR 10B) (2N) PROTEIN)

S7 26 S (PEPTIDE (W) T7A) OR (T7 (2N) (10A OR 10B) (2N) PROTEIN)

S8 12 RD (unique items)

S9 0 S S8 AND ((SOLUBILITY OR FOLDING) (3N) (IMPROVE OR IMPROVED OR ENHANCED OR  
ENHANCE OR INCREASE OR INCREASED ))

S10 1 S S8 AND ((SOLUBILITY OR FOLDING))

S11 129 S (PROTEIN OR POLYPEPTIDE OR PEPTIDE) (5N) ((INSOLUBILITY OR INCLUSION) (3N)  
(DECREASE OR DECREASED OR REDUCED OR REDUCE LOWER ))

S12 161 S (PROTEIN OR POLYPEPTIDE OR PEPTIDE) (5N) ((INSOLUBILITY OR INCLUSION) (3N)  
(DECREASE OR DECREASED OR REDUCED OR REDUCE OR LOWER ))

S13 0 S S12 AND ((PEPTIDE OR POLYPEPTIDE OR ((CARBOXY OR CARBOXYL) (W) TERMINAL)  
OR C-TERMINAL) (3N) (EXTENSION OR TAIL ))

? S S7 AND ((PROTEIN OR POLYPEPTIDE OR PEPTIDE) (5N) ((INSOLUBILITY OR INCLUSION) (3N)  
(DECREASE OR DECREASED OR REDUCED OR REDUCE OR LOWER )))

Processing

Processing

Processing

6 S 7

10042663 PROTEIN

464759 POLYPEPTIDE

1864329 PEPTIDE

6636 INSOLUBILITY

477790 INCLUSION

2841033 DECREASE

3974853 DECREASED

4521259 REDUCED

1433685 REDUCE

5033071 LOWER

161 ((PROTEIN OR POLYPEPTIDE) OR PEPTIDE) (5N) (INSOLUBILITY OR  
INCLUSION) (3N) (((DECREASE OR DECREASED) OR REDUCED) OR REDUCE) OR LOWER)

S14 0 S S7 AND ((PROTEIN OR POLYPEPTIDE OR PEPTIDE) (5N) ((INSOLUBILITY OR  
INCLUSION) (3N) (DECREASE OR DECREASED OR REDUCED OR REDUCE OR LOWER )))

?

? S S7 AND ((PROTEIN OR POLYPEPTIDE OR PEPTIDE) (5N) ((INSOLUBILITY OR INCLUSION) (3N)  
(DECREASE OR DECREASED OR REDUCED OR REDUCE OR LOWER )))

Processing

Processing

Processing

26 S7

10042663 PROTEIN

464759 POLYPEPTIDE

1864329 PEPTIDE

6636 INSOLUBILITY

477790 INCLUSION

2841033 DECREASE

3974853 DECREASED

4521259 REDUCED

1433685 REDUCE

5033071 LOWER

161 ((PROTEIN OR POLYPEPTIDE) OR PEPTIDE) (5N) (INSOLUBILITY OR  
INCLUSION) (3N) (((DECREASE OR DECREASED) OR REDUCED) OR REDUCE) OR LOWER)

S15 0 S S7 AND ((PROTEIN OR POLYPEPTIDE OR PEPTIDE) (5N) ((INSOLUBILITY OR  
INCLUSION) (3N) (DECREASE OR DECREASED OR REDUCED OR REDUCE OR LOWER )))

?

? s ((PEPTIDE OR POLYPEPTIDE OR ((CARBOXY OR CARBOXYL) (W) TERMINAL) OR C-TERMINAL) (3N)  
(EXTENSION OR TAIL ))

1864329 PEPTIDE  
464759 POLYPEPTIDE  
293413 CARBOXY  
161811 CARBOXYL  
1558562 TERMINAL  
148550 ((CARBOXY OR CARBOXYL) (W) TERMINAL  
8200 C-TERMINAL  
673097 EXTENSION  
324361 TAIL

S16 8925 S ((PEPTIDE OR POLYPEPTIDE OR ((CARBOXY OR CARBOXYL) (W) TERMINAL) OR  
C-TERMINAL) (3N) (EXTENSION OR TAIL ))

? S S16 AND ((SOLUBILITY OR FOLDING) (3N) (IMPROVE OR IMPROVED OR ENHANCED OR ENHANCE OR  
INCREASE OR INCREASED ))

Processing

8925 S16  
321887 SOLUBILITY  
224550 FOLDING  
1397956 IMPROVE  
2108784 IMPROVED  
2075046 ENHANCED  
710693 ENHANCE  
6134719 INCREASE  
8691923 INCREASED  
27407 ((SOLUBILITY OR FOLDING) (3N) (((((IMPROVE OR IMPROVED) OR ENHANCED) OR  
ENHANCE) OR INCREASE) OR INCREASED))  
S17 11 S S16 AND ((SOLUBILITY OR FOLDING) (3N) (IMPROVE OR IMPROVED OR ENHANCED OR  
ENHANCE OR INCREASE OR INCREASED ))

? rd

>>>W: Duplicate detection is not supported for File 391.  
Records from unsupported files will be retained in the RD set.

S18 4 RD (UNIQUE ITEMS)

? t s18/medium/all

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**Stabilizing peptide fusion for solving the stability and solubility problems of therapeutic proteins**

**Author:** Lee Eui Nam; Kim Young Mok; Lee Hye Ja; Park Sang Woo; Jung Han Young; Lee Jae Myun; Ahn Yong-Ho; Kim Jongsun (Reprint)

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**Journal:** Pharmaceutical Research (Dordrecht) 22 ( 10 ): p 1735-1746 OCT 2005 2005

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**Record Type:** Abstract

**Language:** English

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16269571 Biosis No.: 200100441410

**Effects of carboxyl-terminal truncations on the activity and solubility of human monoamine oxidase B**

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**Journal:** Journal of Biological Chemistry 276 ( 31 ): p 29499-29506 August 3, 2001 2001

**Medium:** print

**ISSN:** 0021-9258

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**Record Type:** Abstract

**Language:** English

18/3/4 (Item 1 from file: 357) [Links](#)

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0344526 DBA Accession No.: 2004-16818 PATENT

**Natriuretic compound conjugate useful in the treatment of e.g. congestive heart failure, comprises natriuretic compound and at least one modifying moiety natriuretic peptide evaluation for disease therapy**

**Author:** JAMES K D; RADHAKRISHNAN B; MALKAR N B; MILLER M A; EKWURIBE N N

**Patent Assignee:** NOBEX CORP 2004

**Patent Number:** WO 200447871 **Patent Date:** 20040610 **WPI Accession No.:** 2004-450218 ( 200442 )

**Priority Application Number:** US 429151 **Application Date:** 20021126

**National Application Number:** WO 2003US37996 **Application Date:** 20031112

**Language:** English